

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,283,889 B2
APPLICATION NO. : 10/776248
DATED : October 16, 2007
INVENTOR(S) : Toshiaki Otsuki et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page, Item 57 - (Abstract), Line 8, change “ α ” to -- a --.

On the Title Page, Item 57 - (Abstract), Line 12, change “ α ” to -- a --.

Column 5, Line 58, change “cos(x)” to --cos(c)--.

Column 6, Line 64, change “ αac_H ” to -- ac_H --.

Column 7, Line 35, change “ gs_H ” to -- γs_H --.

Column 8, Line 18, change “ α ” to -- a --.

Column 8, Line 29, change “ α ” to -- a --.

Column 9, Line 45, change “ α ” to -- a --.

Column 11, Line 18, change “ Mct_r ” to -- Mci_r --.

Column 11, Line 22, change “ Mem_r ” to -- Mcm_r --.

Column 12, Line 5, change “ais” to -- a is--.

Column 15, Line 1, change “ α ” to -- a --.

Column 15, Line 3, change “ α ” to -- a --.

Column 18, Line 48, change “ $\cos(-c)0$ ” to -- $\cos(-c))$ --.

Column 22, Line 15, change “rotations,” to --rotation,--.

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Column 23, Line 21, change "rotating a tool length vector of the tool by an amount head in correspondence with" to --rotating a tool length vector of the tool head by an amount in correspondence with--.

Signed and Sealed this

Twenty Second Day of April, 2008



JON W. DUDAS
Director of the United States Patent and Trademark Office